Portable Colorimeter LX301PCM

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Description

Portable Colorimeter LX301PCM is a compact and lightweight device engineered for rapid and precise color measurement. It supports multiple color spaces to ensure accurate and consistent results. With intuitive operation and an ergonomic design, it is ideal for quick inspections, mobile quality control, and color matching across a wide range of industries.

Specifications

Measuring aperture	11 mm, 6 mm, 3 mm
Illumination geometry	d/8
Lighting source	Full band balanced LED light source
Display	Full color display
Measurement and observation mode	Camera
Calibration	Intelligent automatic calibration
Sphere size	40 mm
Color space	Reflectance, CIE-Lab, CIE-LCh, Hunter Lab, CIE-Luv, XYZ, Yxy, RGB
Color difference formula	(ΔE*ab, ΔE*cmc, ΔE*94, ΔE*00), WI (ASTM E313-00, ASTM E313-73, CIE, ISO2470/R457, AATCC, Hunter, Taube Berger Stensby), YI (ASTM D1925, ASTM E313-00, ASTM E313-73), Blackness (My, dM), Color Fastness, Tint, (ASTM E313-00), Color Density CMYK (A,T,E,M), Milm, Munsell, Opacity, Color strength

Observation light source	A, B, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, U30, U35, DLF, NBF, TL83, TL84, ID50, ID65, LED-B1, LED-B2, LED-B3, LED-B4, LED-B5, LED-BH1, LED-RGB1, LED-V1, LED-V2
Wavelength range	400 - 700 nm
Wavelength interval	10 nm
Reflectivity range	0 - 200 %
Reflectivity resolution	0.01%
Repeatability	ΔE*ab ≤ 0.03
Observer angle	2°, 10°
Display resolution	0.01
Sensor	Silicon photodiode array double 16 groups
Test speed	1.0 Seconds

Features

- Supports automatic calibration for precise measurements
- Nanometer-integrated spectral device ensures high accuracy
- Measures approximately 30 different color indicators covering whiteness and yellowness
- Built-in high-definition camera for clear observation
- Equipped with three measuring calibers
- Portable with a massive color card database

- USB and Bluetooth connectivity for easy data transfer
- Performs up to 8,000 tests continuously
- Compatible with Android, iOS and Windows software
- Can store up to 10,000 data entries

Applications

- Ideal for quality control in industries such as textiles, paints, plastics, and printing, this portable colorimeter enables precise color measurement and support efficient workflow for manufacturers, designers, and laboratory professionals.

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